

GUSTAVO VARGAS

CURRICULUM VITAE

Personal information

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Education

- 2018 – 2019 Master in **Data Science and Big Data in Finanzas** at AFI Escuela de Finanzas
- 2014 – 2023 **Bachelor in Economics** at UNED – Part time
- 2007 – 2012 **Building Engineering** at Universidad Politécnica de Madrid (UPM)

Professional experience

Feb 2022 – Present **Kairos Digital Solutions: Data Engineer.**

- Design, development and maintenance of ETL/ELT pipelines using Apache Airflow, Bash scripting and cron jobs for batch processing. Integration with third-party APIs (Google Ad Manager, Dailymotion) for advertising and video data ingestion. Data warehousing with ClickHouse and Snowflake.
- CI/CD pipeline implementation with GitLab CI and Docker for automated testing and deployment.
- Automated generation of Tableau Hyper files for cohort analysis and revenue reporting dashboards.
- Infrastructure management with Kubernetes and Terraform for scalable data infrastructure.

Feb 2021 – Aug 2022 **EY: Machine Learning Engineer.**

- Software Developer and Machine Learning Engineer in a project for text recognition on images. Stack used is Docker, Kubernetes and Python using CI/CD on Azure Devops. Communication with clients to define goals and metrics.

Jun 2019 – Feb 2021 **ETS Asset Management Factory: Data Scientist.**

- Research and development of synthetic time series for financial prediction, using Generative Adversarial Networks with Keras, tensorflow and pytorch. The result was internal papers and code discussed with the team.

Key Skills

